



Turbine Oil M

Gas, steam and water turbine oil

Description

Turbine Oil M is a universal mineral based turbine oil, based on special selected and refined base oils and an anti wear additive package.

Applications

Turbine Oil A oils are recommended for the lubrication of hydraulic, steam and gas turbines with turbo gear sets. Can be used as circulating Oils (R & O type) as per DIN 51514 Part 1 (HL) ; DIN 51517 Part 2 (CL) and Cincinnati Milacron P 38, P 55, P 54, P 57, & P 62. Also recommended for compressor applications as per DIN 51506 VBL, VCL, and VDL.

Benefits

- Good demulsification properties
- Enhanced service life
- Better rust and corrosion protection properties
- Better ability to release entrained air
- Enhanced with anti wear protection for turbo sets

Performance level

- ISO 8068 AR and B
- ISO 6743/OT
- ISO 6743/5 CL-TSA L-TSE L-TGA
- ABB HTGD 90117
- DIN 51515 part 1 type L-TD
- MAN N696

Typical performance data

	Test method	M 32	M 46	M 68
Density @ 15°C, kg/m ³	ASTM D-4052	859	864	866
Viscosity @ 40°C, cSt	ASTM D-445	32.5	46	68
Viscosity @ 100°C, cSt	ASTM D-445	5.6	6.8	9.5
Viscosity Index	ASTM D-2270	111	104	108
Flash point , °C	ASTM D-92	>201	>213	>213
Pour point, °C	ASTM D-97	-30	-27	-27
TAN, mg KOH/g	ASTM D-664	0.1	0.1	0.1
Copper Corrosion	ASTM D-130	1b	1b	1b
Air release value @ 50 °C, min	ASTM D-3427	<4:00	Pass	Pass
Water separability @ 54°C	ASTM D-1401	Pass	Pass	Pass
Oil Stability Test (TOST), hours	ASTM D-943	>6.000	>10.000	>10.000
FGZ, Fail Load Stage	DIN 51534-2	-	10	10

All performance data on this Technical Data Sheet are indicative only and can vary during production

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